| | | | | | ATTY DOCKET NO. JPP-1259N | SERIAL NO. 10/693,731 | | | | | |
|----------------|----------------------------|--|-------------------|--------------|------------------------------|--------------------------|--|-----------------------------|--------------|--|--|
| THE 1.1 2004 3 | | | | | CARLINO PANZERA | | | | | | |
| | | | | | FILING GROUP | | | | | | |
| | | | | | 10/24/2003 | | | | | | |
| 1.0 | • | <u> </u> | U.S | S. PATENT | ENT DOCUMENTS | | | | | | |
| 'EXAMINER' | TRADEDAY | DOCUMENT NUMBER | DATE | | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 7.7 | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | - | | | ļ | | | | - | | | |
| | | | | | | <u> </u> | | | *** | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | FORE | IGN PATE | NT DOCUMENTS | | | | | | |
| | | DOCUMENT NUMBER | DATE | | COUNTRY | CLASS | SUBCLASS | TRANS | LATION NO | | |
| MD | D WO 97/30654 | | 08-28-1997 PCT (A | | Abstract) | | | | | | |
| | | | | | | | | | · · · · · · | | |
| | | | | <u> </u> | • | | 1 | | | | |
| | | | | | | - | - | | | | |
| | | | | | | | | | | | |
| | | OTHER DOCUME | NTS (Includio | a Author | , Title, Date, Pertin | ent Pages Etc | .1 | | | | |
| | | | • | _ | | = | - | ne Alumina | ı, | | |
| MD | | Hooker, J.D., Kilbride I.P., Randle, V., Properties of Rare Earth Oxide Doped Translucent Polycrystalline Alumina, Journals of Materials Processing Technology 118 (2001), pgs. 256-260. | | | | | | | | | |
| | | | | | | | | - , | | | |
| | | | | | | | | | | | |
| EXAMINER | EXAMINER /Matthew Daniels/ | | | | DATE CONSIDERED 05/03/2006 | | | | | | |
| | | eference considered, whether opy of this form with next cor | | | ance with MPEP 609; | Draw line through | citation if not in o | conformance | and not | | |

ATTY DOCKET NO. SERIAL NO. JPP-1259NP-DIV INFORMATION DISCLOSURE CITATION CARLINO PANZERA (Use several sheets if necessary) **FILING** GROUP 10/24/2003 **U.S. PATENT DOCUMENTS** FILING DATE *EXAMINER SUBCLASS CLASS DOCUMENT NUMBER DATE NAME IF APPROPRIATE INITIAL MD 3,502,466 03-24-1970 VICKERY 4,369,068 01-18-1983 HAUSSELT ET AL. 03-11-1986 MOERMANN ET AL. 4,575,805 4,663,720 05-05-1987 DURET ET AL. 08-25-1987 4,689,197 GROLL ET AL. 01-05-1988 GOLDBERG ET AL. 4,717,341 09-20-1988 **TYSZBLAT** 4,772,436 BRANDESTINI ET AL. 4,776,704 08-30-1988 05-09-1989 BELL ET AL. 4,828,495 GOLDBERG ET AL. 01-16-1990 4,894,012 4,937,928 07-03-1990 VAN DER ZEL MD **FOREIGN PATENT DOCUMENTS** TRANSLATION CLASS SUBCLASS DOCUMENT NUMBER DATE COUNTRY **EUROPE** ✓ 01-13-1993 MD EP O 523 019 A2 WO 01/13814 A1 08-24-2000 **PCT** MD WO 01/15620 A1 09-01-2000 **PCT** MD MD WO 9730654 08-28-1997 **PCT**

MD

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

INTERNATIONAL SEARCH REPORT DATED MARCH 25, 2002

MD

Wolf, et al., "Mechanical Properties and Failure Analysis of Alumina Glass Dental Composites" (Abstract), Journal of American Ceramic Society (1996), 79(7), p.1769-1776

EXAMINER /Matthew Daniels/

DATE CONSIDERED

05/04/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-A820 (also form PTO-1449)

P09C/REV03

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

ATTY DOCKET NO. SERIAL NO. JPP-1259NP-DIV **INFORMATION DISCLOSURE CITATION CARLINO PANZERA** (Use several sheets if necessary) FILING GROUP 10/24/2003 **U.S. PATENT DOCUMENTS** FILING DATE *EXAMINER DOCUMENT NUMBER NAME CLASS SUBCLASS DATE F APPROPRIATE INITIAL MD 4,980,124 12-25-1990 DIMMER TSUGE ET AL. 5,062,798 11-05-1991 5,342,201 08-30-1994 **ODEN** 5,378,154 01-03-1995 **VAN DER ZEL** 5,452,219 09-19-1995 DEHOFF ET AL. 04-16-1996 **PETTICREW** 5,507,981 5,653,791 08-05-1997 PANZERA ET AL. 5,775,912 07-07-1998 PANZERA ET AL. 5,910,273 06-08-1999 THIEL ET AL. 08-31-1999 PANZERA ET AL. 5,944,884 MD 5,968,856 10-19-1999 SCHWEIGER ET AL. **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO MD ✓ AL94A000003 12-16-1994 **ITALY** MD WO 02/22041 09-13-2001 **PCT** OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Wolf et al., "Colloidel and Thermal Processing Variables for Alumina Glass Dental Composites" (Abstract), Ceramic Transactions (1995), 48, p. 261-7. MD Luo et al., "Research on Bending Strength and Fracture Toughness of Alumina Glass Composites" (Abstract), Huaxi Yike Daxue Xuebao (1998), 29(4), p. 383-386. MD EXAMINER DATE CONSIDERED 05/04/2006 /Matthew Daniels/ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | | JPP-1259NP- | | SERIAL NO. | | | | | |
|----------------------------|--|---|----------------|----------------------------|------------------|---------------------|----------------------------|-----------|--|--|--|
| | (Use several sheets if neces | CARLINO PANZERA | | | | | | | | | |
| | | FILING 10/24/2003 | | GROUP | | | | | | | |
| | | U.S | S. PATENT | DOCUMENTS | | | | | | | |
| *EXAMINER DOCUMENT NUMBER | | DATE | | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | | | | |
| MD | 6,028,672 | 02-22-2000 | GENG | | | | | | | | |
| | 6,186,790 | 02-13-2001 | KARM | AKER ET AL. | | | | | | | |
| | 6,200,136 | 03-13-2001 | PRASA | D ET AL. | | | | | | | |
| | 6,455,451 | 09-24-2002 | BRODKIN ET AL. | | | | | | | | |
| \downarrow | 6,517,623 | 02-11-2003 | BRODI | KIN ET AL. | | | | | | | |
| MD | 6,613,273 | 6,613,273 09-02-2003 DA | | ALON ET AL. | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | · | | | | | | | | |
| | | FORE | IGN PATE | ENT DOCUMENTS | | | | | | | |
| | DOCUMENT NUMBER | DOCUMENT NUMBER DATE | | | CLASS | SUBCLASS TRANS YES | | LATION NO | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | OTHER DOCUME | • | . - | r, Title, Date, Pertinen | • | • | | | | | |
| MD | | Luo et al., "Development of Partially Sintered Alumina Block for Dental CAD/CAM and Mechanical Properties Testing" (Abstract), Zhonghua Kouqiang Yixue Zazhi (1999), 34(4), p. 202-204. | | | | | | | | | |
| MD | Luo et al., "Strength a Dental Materials (2002 | Luo et al., "Strength and Fracture Toughness of MgO-Modified Glass Infiltrated Alumina for CAD/CAM" (Abstract), Dental Materials (2002), 18(3), p. 216-220. | | | | | | | | | |
| EXAMINER /Matthew Daniels/ | | | | DATE CONSIDERED 05/04/2006 | | | | | | | |
| | R: Initial if reference considered, wheth Include copy of this form with next co | | | nance with MPEP 609; Dra | w line through c | itation if not in o | onformance | and not | | | |

Form PTO-A820 (also form PTO-1449) Copyright 1994-97 LegalStar

P09C/REV03

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

| • | | | | ATTY DOCKET NO. JPP-1259NP-D | 1 | SERIAL NO. | | | | | |
|-------------|-------|---|-------------------|-------------------------------|---|--|---------------------|----------------------------|---------------|--|--|
| | INFOR | MATION DISCLOSURI (Use several sheets if neces | | | CARLINO PANZERA | | | | | | |
| | | • | FILING 10/24/2003 | | GROUP | | | | | | |
| | | | U.S | . PATENT | DOCUMENTS | <u> </u> | | | | | |
| *EXAMINER | | DOCUMENT NUMBER DATE | | | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | | | |
| INITIAL | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | , | | |
| | | ** | | | | | | | | | |
| | | | | | | <u> </u> | | | | | |
| | | | | | - :- :- · · · · · · · · · · · · · · · · | | | | | | |
| | | | | | | | | - | - | | |
| | | ` | | | | | | | | | |
| | | | | | | | | | | | |
| | | - | | | | | | | - | | |
| | | | | | | | 1 | | | | |
| | · | | FOREI | GN PATE | NT DOCUMENTS | | | | | | |
| | | DOCUMENT NUMBER DATE | | | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO | | | |
| | | | | | | | - | YES | NO | | |
| | | | | | | | · | - | | | |
| | | | | | | | - | | | | |
| | | | | | | - | | | | | |
| | | | | | | - | - | <u> </u> | | | |
| | | | | | | | <u></u> | | | | |
| | | OTHER DOCUM | • | _ | , Title, Date, Pertinent ped Translucent Polycrys | - | | , Journal of | | | |
| MD | | Hooker et al., "Properties of Rare Earth Oxide Doped Translucent Polycrystalline Alumina" (Abstract), Journal of Materials Processing Technology (2001), 118(1-3), p. 256-260. | | | | | | | | | |
| MD | | Zhang et al., "Mechanical Properties and Microstructure of Alumina-Glass Dental Composites" (Abstract), Proceedings of the China International Conference on High -PerformanceCeramics, 1st, Bejing, China, October 31-November 3, 1998 (1999) Meeting Date 1998, p. 471-474. | | | | | | | | | |
| EXAMINE | R | /Matthew Danie | /Matthew Daniels/ | | | 05/0 | 05/04/2006 | | | | |
| | | if reference considered, whethere copy of this form with next co | | | nance with MPEP 609; Draw | v line through c | itation if not in o | onformance | and not | | |

Form PTO-A820 (also form PTO-1449) Copyright 1994 LegalStar

P09C/REV03

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

PAGE 4 OF 5

ATTY DOCKET NO. SERIAL NO. JPP-1259NP-DIV INFORMATION DISCLOSURE CITATION CARLINO PANZERA (Use several sheets if necessary) FILING GROUP 10/24/2003 **U.S. PATENT DOCUMENTS** FILING DATE 'EXAMINER CLASS SUBCLASS DOCUMENT NUMBER DATE NAME IF APPROPRIATE INITIAL **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Wen et al., "Effects of Sintering Temperature Calefactive Velocity on the Partially Sintered Alumina Block for Dental CAD/CAM" (Abstract), Disi Junyi Daxue Xuebao (2001), 2(10), p. 913-915. MD Jeneric/Pentron, Inc., SinterKor Instruction Manual, Rev 3.1, July 2000. MD EXAMINER **DATE CONSIDERED** 05/04/2006 /Matthew Daniels/ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-A820 (also form PTO-1449)

P09C/REV03

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE